

ABSTRACT

This invention relates to a system, especially adapted for high-power motors, comprising at least one rotor (1a ; 1b) and means (4a, 4b ; 5a, 5b) comprising active elements (7, 8) capable of rotating the rotor(s) 5 (1a ; 1b) by their synchronized deformation; said rotating means of the rotor(s) comprising at least one petal (6) comprising a hot top (11), characterized in that the material of each hot top (11) is such that it has a thermal mass capacity (C_p^{22c}) of greater than 0.35 10 [J/g/K], and / or the material of each rotor (1a ; 1b) is such that it has a thermal capacity of greater than 2 [J/cm³/K].

Fig. 2